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(71)Applicant : FUJI XEROX CO LTD

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(72)Inventor : YAMAGUCHI SHOJI

KAMIYANAGI KIICHI

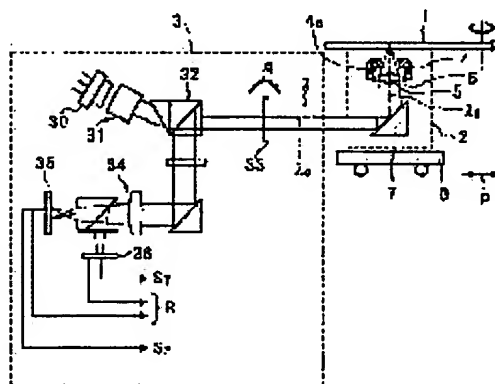
YASUKAWA KAORU

(54) OPTICAL RECORDING AND REPRODUCING DEVICE

(57)Abstract:

PURPOSE: To simplify assembling of the device by driving an objective lens so as to control focusing and performing tracking servo by means of a galvano mirror.

CONSTITUTION: By running a floating slider 4 mounting an objective lens 5 above the surface of a rotating optical disk 1 while floating, coarse focus adjustment is performed and the lens 5 simultaneously performs focusing control by driving a VCM6 along the direction of an optical axis $\lambda 0$ based on a focusing error signal SF from a photodetector 35. Tracking control is performed by moving a movable part 2 in the radial direction (p) of the disk 1 by means of a linear motor 8. By driving and displacing a galvano mirror 33 mounted on a fixed part 3 to the optical axis $\lambda 0$ based on a tracking signal ST from a photodetector 36, fine adjustment is performed. Since the mirror 33 is mounted on the fixed part 3 and the fine follow-up of tracking control is performed, the assembling of the fixed part is simplified.



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